

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/588,679  
Source: 1 FWP  
Date Processed by STIC: 8/15/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 08/15/2006

PATENT APPLICATION: US/10/588,679

TIME: 13:40:00

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\08152006\J588679.raw

3 <110> APPLICANT: MEMORIAL SLOAN-KETTERING CANCER CENTER  
 5 <120> TITLE OF INVENTION: IDENTIFICATION AND CHARACTERIZATION OF MULTIPLE SPLICE  
 6 VARIANTS OF THE MU OPIOID RECEPTOR GENE  
 8 <130> FILE REFERENCE: (51590)62078WO  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/588,679  
 C--> 11 <141> CURRENT FILING DATE: 2006-08-08  
 13 <150> PRIOR APPLICATION NUMBER: 60/544,534  
 14 <151> PRIOR FILING DATE: 2004-02-13  
 16 <160> NUMBER OF SEQ ID NOS: 89  
 18 <170> SOFTWARE: PatentIn Ver. 3.3  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 26  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Artificial Sequence  
 25 <220> FEATURE:  
 26 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 27 primer  
 29 <400> SEQUENCE: 1  
 30 gcttccaatc ttatattctt tcacgg 26  
 33 <210> SEQ ID NO: 2  
 34 <211> LENGTH: 22  
 35 <212> TYPE: DNA  
 36 <213> ORGANISM: Artificial Sequence  
 38 <220> FEATURE:  
 39 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 40 primer  
 42 <400> SEQUENCE: 2  
 43 gaaaggaagc ggctgaggcg ct 22  
 46 <210> SEQ ID NO: 3  
 47 <211> LENGTH: 38  
 48 <212> TYPE: DNA  
 49 <213> ORGANISM: Artificial Sequence  
 51 <220> FEATURE:  
 52 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 53 primer  
 55 <400> SEQUENCE: 3  
 56 gtgtattgtc tattagagtg aggctaacat ttcttttg 38  
 59 <210> SEQ ID NO: 4  
 60 <211> LENGTH: 29  
 61 <212> TYPE: DNA  
 62 <213> ORGANISM: Artificial Sequence  
 64 <220> FEATURE:  
 65 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

## RAW SEQUENCE LISTING

DATE: 08/15/2006

PATENT APPLICATION: US/10/588,679

TIME: 13:40:00

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\08152006\J588679.raw

```

66      primer
68 <400> SEQUENCE: 4
69 ccacacggca gtaccttctc ttggtctcc                29
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 22
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
79      primer
81 <400> SEQUENCE: 5
82 cggtgctcct ggctacctcg ca                        22
85 <210> SEQ ID NO: 6
86 <211> LENGTH: 31
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
92      primer
94 <400> SEQUENCE: 6
95 ggtagatgg cttttatcat catattgctg g              31
98 <210> SEQ ID NO: 7
99 <211> LENGTH: 31
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
105      primer
107 <400> SEQUENCE: 7
108 gggaacagga attttagggt tcatgtcata g            31
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 24
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
118      primer
120 <400> SEQUENCE: 8
121 gcttcccctc ttccctccat tctc                    24
124 <210> SEQ ID NO: 9
125 <211> LENGTH: 29
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
131      primer
133 <400> SEQUENCE: 9
134 ggattaaact cctagtttag cacaagcc                29
137 <210> SEQ ID NO: 10

```

## RAW SEQUENCE LISTING

DATE: 08/15/2006

PATENT APPLICATION: US/10/588,679

TIME: 13:40:00

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\08152006\J588679.raw

```

138 <211> LENGTH: 22
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
144     primer
146 <400> SEQUENCE: 10
147 gccaccagta ccctgccctt cc                                22
150 <210> SEQ ID NO: 11
151 <211> LENGTH: 26
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
157     primer
159 <400> SEQUENCE: 11
160 ctcaatgttg gaagagggtg ggatac                                26
163 <210> SEQ ID NO: 12
164 <211> LENGTH: 33
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
170     primer
172 <400> SEQUENCE: 12
173 gtacgcagtc tctagaatta ggtatatcta ctg                        33
176 <210> SEQ ID NO: 13
177 <211> LENGTH: 33
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
183     primer
185 <400> SEQUENCE: 13
186 ggattctaga tcagaattat ttctataatg tgc                        33
189 <210> SEQ ID NO: 14
190 <211> LENGTH: 19
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
196     primer
198 <400> SEQUENCE: 14
199 gagaccaccc ctccacggc                                19
202 <210> SEQ ID NO: 15
203 <211> LENGTH: 24
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:

```

## RAW SEQUENCE LISTING

DATE: 08/15/2006

PATENT APPLICATION: US/10/588,679

TIME: 13:40:00

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\08152006\J588679.raw

```

208 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
209     primer
211 <400> SEQUENCE: 15
212 ggtctccatt agggctagca gcag                                24
215 <210> SEQ ID NO: 16
216 <211> LENGTH: 34
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
222     primer
224 <400> SEQUENCE: 16
225 cagagagaaa gaagacagaa atctgactgg taag                    34
228 <210> SEQ ID NO: 17
229 <211> LENGTH: 30
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
235     primer
237 <400> SEQUENCE: 17
238 gagagcacgt gttgaaactg caagtcagag                        30
241 <210> SEQ ID NO: 18
242 <211> LENGTH: 27
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
248     primer
250 <400> SEQUENCE: 18
251 ggacctccag ccaagtttgt tgctgac                            27
254 <210> SEQ ID NO: 19
255 <211> LENGTH: 28
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
261     primer
263 <400> SEQUENCE: 19
264 ctctctgtgc aaacggttga atgaatgg                          28
267 <210> SEQ ID NO: 20
268 <211> LENGTH: 35
269 <212> TYPE: DNA
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
274     primer
276 <400> SEQUENCE: 20
277 cagagctgac tatgacatga accctaaaat tcctg                    35

```

## RAW SEQUENCE LISTING

DATE: 08/15/2006

PATENT APPLICATION: US/10/588,679

TIME: 13:40:00

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\08152006\J588679.raw

```

280 <210> SEQ ID NO: 21
281 <211> LENGTH: 30
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
287     primer
289 <400> SEQUENCE: 21
290 ggtccctgaa accaacaaaa aaactggatg                                30
293 <210> SEQ ID NO: 22
294 <211> LENGTH: 31
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
300     primer
302 <400> SEQUENCE: 22
303 caggtggaat tgaacctgga ctgtcactgt g                                31
306 <210> SEQ ID NO: 23
307 <211> LENGTH: 36
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
313     primer
315 <400> SEQUENCE: 23
316 gctctaaaaa tcatatgaaa tagttacaag cctttg                                36
319 <210> SEQ ID NO: 24
320 <211> LENGTH: 33
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
326     primer
328 <400> SEQUENCE: 24
329 catcagatca gagatccaat atcaaacctt ccc                                33
332 <210> SEQ ID NO: 25
333 <211> LENGTH: 28
334 <212> TYPE: DNA
335 <213> ORGANISM: Artificial Sequence
337 <220> FEATURE:
338 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
339     primer
341 <400> SEQUENCE: 25
342 ggaggtccct tgataactgc caaatcgc                                28
345 <210> SEQ ID NO: 26
346 <211> LENGTH: 45
347 <212> TYPE: DNA
348 <213> ORGANISM: Artificial Sequence

```

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/588,679

DATE: 08/15/2006

TIME: 13:40:01

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\08152006\J588679.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date